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STEEL-WOOL BUFFER.

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My invention relates to steel wool buffers.

It is the object of my invention to provide a steel wool buffer and a means of supporting it so that the end thereof may be applied for buffing purposes, and as the end is worn off the buffer may be advanced beyond its support for additional buffing work.

Referring to the drawings:

Figure 1 is a side elevation of a buffing motor with the buffer mounted on an armature shaft;

Figure 2 is a section of the buffer on the line 2—2 of Figure 1;

Figure 3 is a section on the line 3—3 of Figure 2;

Figure 4 is a perspective of the buffer in the process of winding, showing the method of stitching.

Figure 5 is a perspective of the buffer blanket.

Referring to the drawings, 1 designates an electric motor adapted to be supported by a handle 2, or any other form of suitable support. The armature shaft of this motor is designated 3. The outer end of the shaft is provided with a thread 4, upon which is mounted a lock nut 5 and a buffer supporting plate 6. This plate 6 has an overturned clamping edge 7. The threaded end of the armature shaft is adapted to project within an aperture 8 inside of the buffer to serve to support the buffer.

The buffer itself is composed of one or more layers of steel wool 9, which are embraced on either side by layers of fabric, paper or the like, designated 10, which are adapted to hold the wool in position but are also capable of being worn away with the wool.

These alternate layers of wool and intervening pieces of retaining material are stitched together by diagonal or V-shaped lines of stitching 11. When the blanket has been thus formed, it is wound upon a supporting mandrel as in Figure 4, and as it is wound each complete winding of the roll is stitched to the next succeeding portion or winding of the roll or several windings of the roll are stitched together at one time in any suitable manner, so that the complete roll is thus tied together to prevent it from unwinding. In Figure 4 such stitching is designated 12.

The material constituting the layers 10 should be of sufficient strength to retain the stitches. When it is desired to place the roll against the plate 6, it is compressed so that it will pass beneath the flange 7 and then allowed to expand. Any desired form of clamp, in a large roll, or use of the hands, in the case of a small roll, will be sufficient for this purpose.

It will be observed that as the end 13 of the buffer is ground away it may be advanced by rotating the support 6 and thus locking it in position by the lock nut 5.

It will be understood that I desire to comprehend within my invention such modifications as may be necessary to adapt it to varying conditions of use falling within the scope of the appended claims.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent, is:

1. In a buffer, a layer of steel wool, a layer of retaining material, stitching adapted to retain said wool and material to one another, said layers being wound into a roll, and means to prevent said roll from unwinding.

2. In a buffer, a layer of steel wool, a layer of retaining material stitching to retain said wool and material to each other, said layers of retaining material and steel wool being wound into a roll, and means to prevent said roll from unwinding, said means consisting of stitching, said stitching being spaced at intervals throughout the roll and securing the layers of one winding to the layers of another winding.

3. In a buffer, a roll comprising windings of a blanket formed of a layer of steel wool embraced by material adapted to wear away, means for permanently attaching said wool and said material to each other, the windings forming at the end of the roll working faces of spirally arranged layers of steel wool and material, the outer windings being solely of the material, and means to join adjacent windings of the roll to each other.

4. In combination, a buffer consisting of a layer of steel wool, a layer of retaining material, stitching to retain said wool and material to each other, said layers of retaining material and steel wool being wound into a roll, and stitching to prevent said roll from unwinding, said latter stitching being spaced at intervals throughout the roll and securing the layers of one winding to the layers of another winding, of means to support and actuate said buffer, means on said